Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1203099

Luminaire Tested: GWC-SB2B-827-U-T3

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203099
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-T3
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9797 lumens
Efficiency:	N/A
Efficacy:	132.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

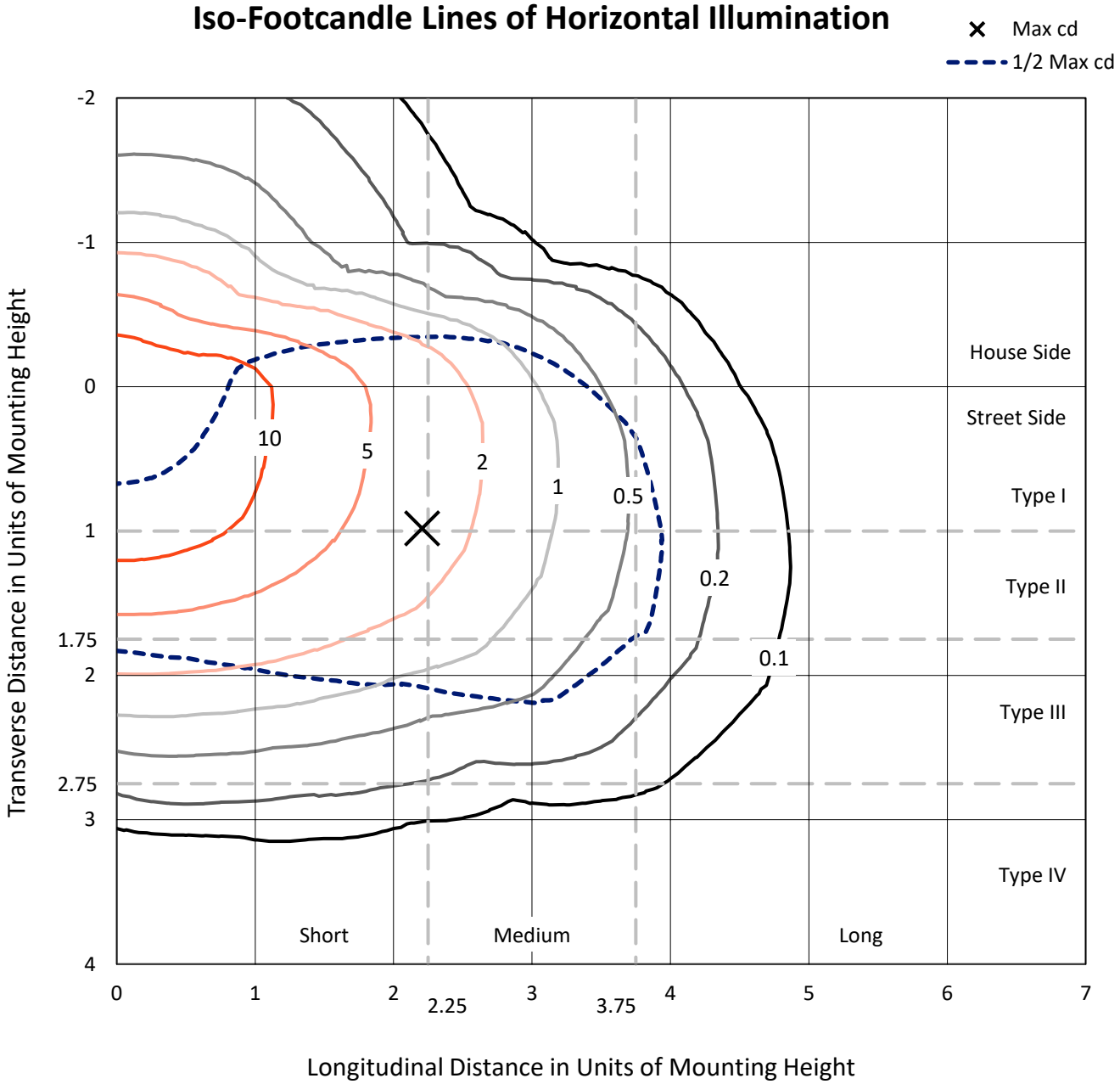


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Iso-Footcandle Lines of Horizontal Illumination



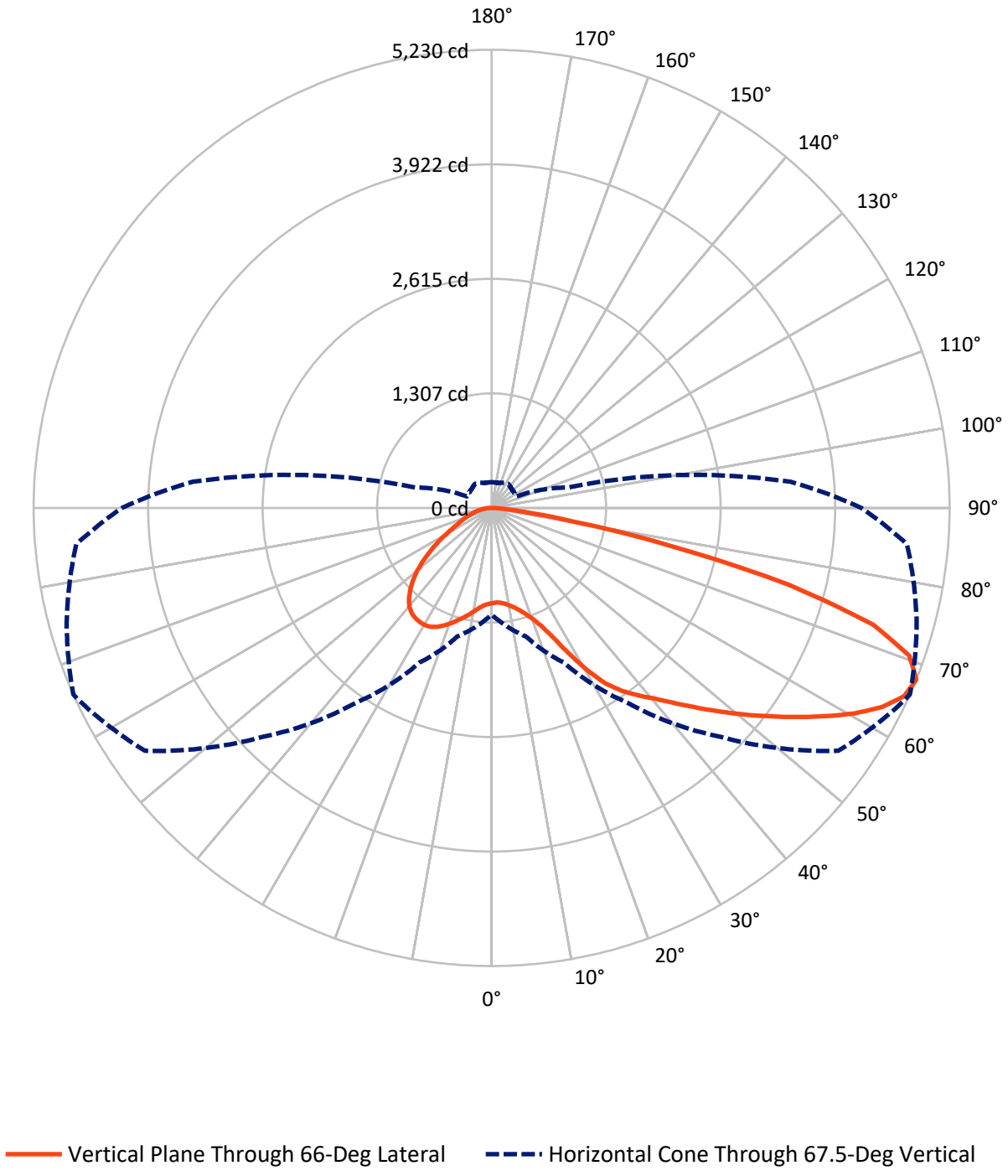
Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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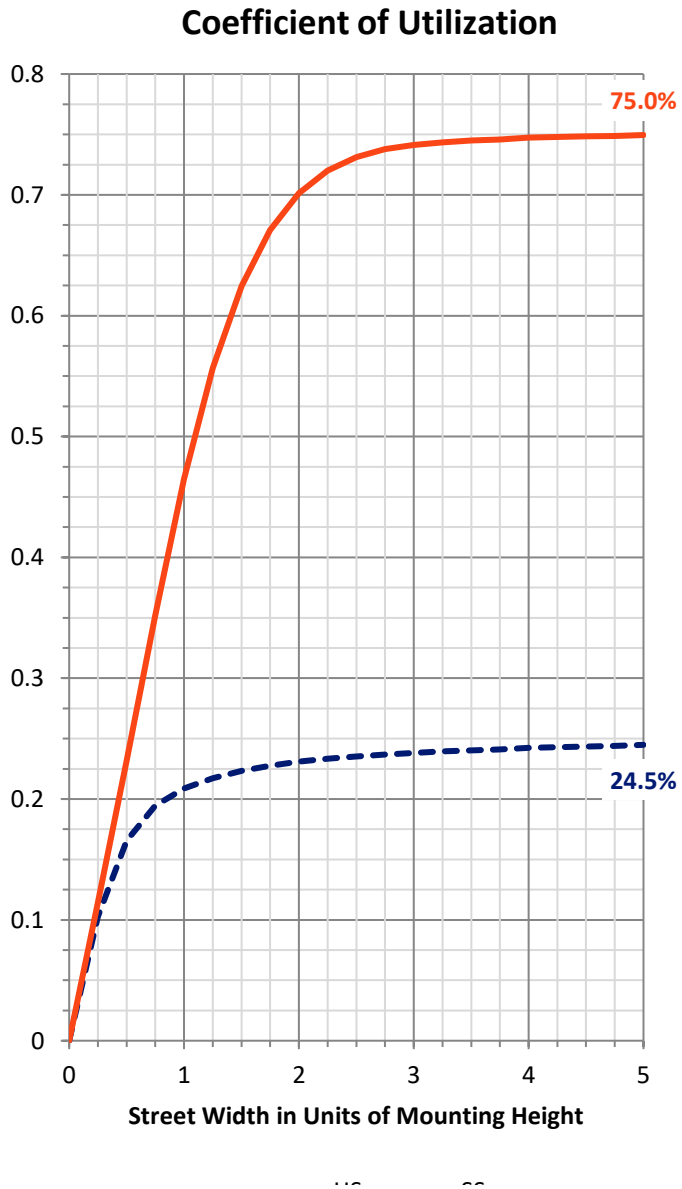
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2436.0	0.0	2436.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7361.0	0.0	7361.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	9797.0	0.0	9797.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	1.1
10°-20°	355.9	3.6
20°-30°	686.0	7.0
30°-40°	1202.9	12.3
40°-50°	1788.3	18.3
50°-60°	2266.9	23.1
60°-70°	2218.1	22.6
70°-80°	1058.0	10.8
80°-90°	113.1	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9797.0	100.0
0°-180°	9797.0	100.0



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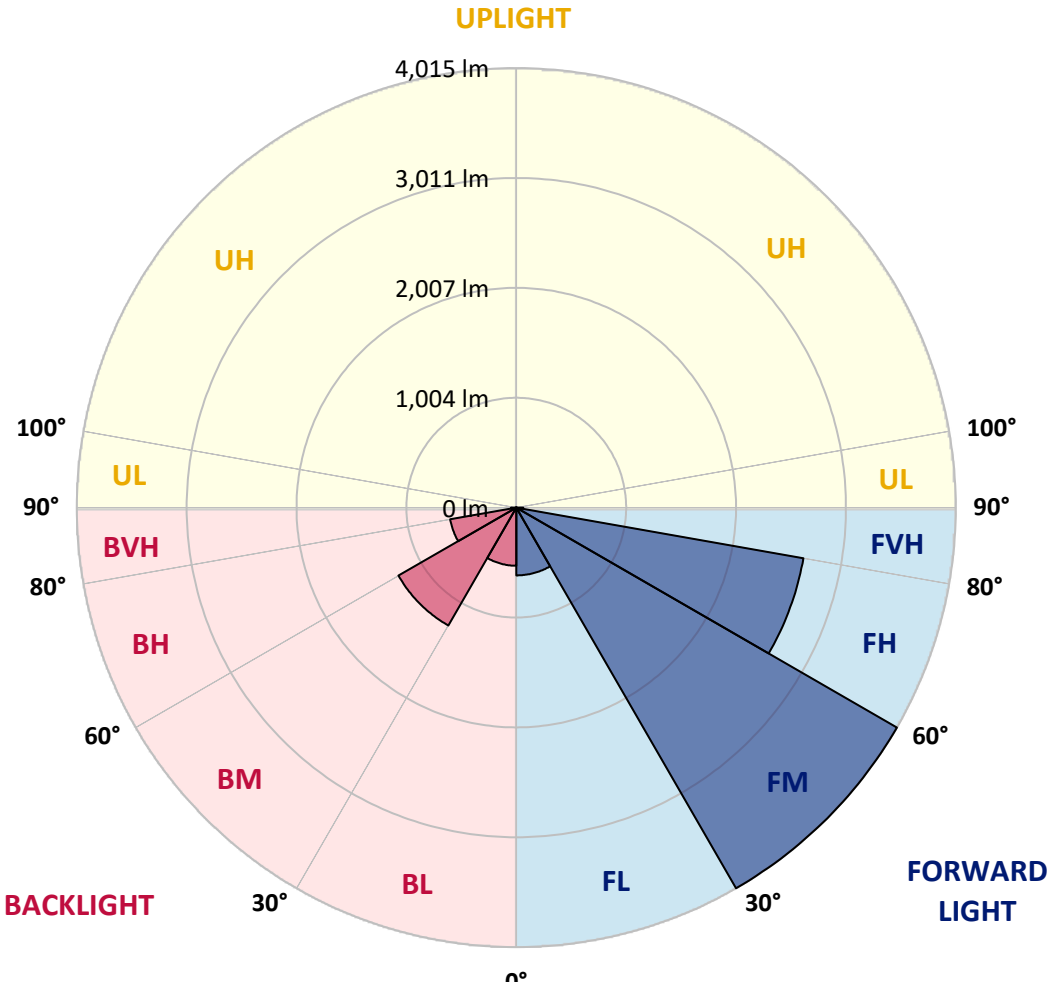
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	619.1	6.3			
FM	(30°-60°)	4014.7	41.0			
FH	(60°-80°)	2663.1	27.2			G2/5000
FVH	(80°-90°)	64.1	0.7			G1/100
BL	(0°-30°)	530.6	5.4	B2/1000		
BM	(30°-60°)	1243.4	12.7	B2/2500		
BH	(60°-80°)	613.0	6.3	B2/1000		G2/1000
BVH	(80°-90°)	49.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1086.6	1086.6	1086.6	1086.6	1086.6	1086.6	1086.6	1086.6	*1086.6*	1086.6	1086.6
2.5°	1075.3	1081.5	1079.9	1077.4	1076.8	1077.9	1079.4	1081.0	*1080.4*	1083.0	1087.1
5°	1072.2	1078.4	1077.9	1077.9	1079.9	1084.0	1086.6	1089.2	*1086.6*	1089.7	1095.4
7.5°	1074.3	1078.9	1081.0	1083.0	1088.2	1095.9	1102.1	1107.7	*1104.6*	1108.2	1115.4
10°	1100.5	1104.1	1106.2	1106.2	1109.8	1118.5	1124.7	1135.0	*1132.4*	1138.1	1147.4
12.5°	1148.4	1152.0	1152.0	1149.9	1152.5	1158.2	1160.2	1171.5	*1166.9*	1176.2	1185.4
15°	1207.1	1214.3	1208.6	1205.0	1206.0	1211.7	1211.2	1219.9	*1215.3*	1223.0	1231.3
17.5°	1271.9	1281.2	1271.9	1271.4	1269.3	1275.5	1276.0	1283.8	*1275.5*	1281.2	1286.9
20°	1348.6	1361.5	1353.8	1356.3	1351.7	1354.3	1356.9	1368.2	*1355.3*	1359.4	1357.9
22.5°	1456.7	1472.2	1463.9	1473.7	1470.6	1468.6	1468.0	1488.1	*1468.0*	1469.6	1454.7
25°	1614.2	1632.8	1618.3	1631.7	1631.7	1638.4	1646.1	1671.9	*1638.4*	1628.6	1590.0
27.5°	1846.9	1865.4	1837.1	1845.3	1842.8	1859.2	1851.0	1914.8	*1878.8*	1862.8	1785.1
30°	2126.9	2159.9	2106.3	2104.3	2101.7	2127.9	2139.8	2182.0	*2145.4*	2129.5	2035.8
32.5°	2429.6	2464.1	2400.2	2381.7	2371.9	2387.9	2378.1	2412.1	*2386.9*	2362.1	2246.3
35°	2749.7	2783.7	2723.0	2686.9	2647.8	2614.4	2579.4	2588.1	*2564.4*	2526.9	2406.9
37.5°	3052.4	3114.7	3050.4	3011.7	2939.7	2874.3	2776.5	2735.8	*2713.7*	2679.2	2558.3
40°	3360.7	3396.3	3347.4	3314.4	3236.2	3133.7	2977.3	2891.3	*2861.4*	2828.0	2725.5
42.5°	3587.7	3621.7	3595.5	3572.8	3511.6	3392.7	3190.4	3082.8	*3039.5*	3002.0	2915.0
45°	3767.9	3793.1	3776.6	3784.9	3758.6	3643.3	3411.2	3288.2	*3243.4*	3197.6	3129.1
47.5°	3840.5	3867.2	3893.5	3942.4	3987.2	3902.2	3648.5	3510.5	*3463.2*	3416.3	3348.9
50°	3832.2	3859.5	3935.7	4039.7	4178.7	4150.4	3898.6	3747.3	*3703.6*	3650.0	3587.7
52.5°	3766.4	3797.2	3895.0	4068.0	4289.3	4336.2	4153.4	3991.8	*3950.6*	3886.8	3824.5
55°	3593.4	3611.9	3758.6	4003.7	4315.6	4465.9	4403.1	4252.3	*4211.1*	4122.0	4054.1
57.5°	3272.7	3299.5	3513.1	3830.2	4249.7	4553.9	4622.4	4526.1	*4486.5*	4358.3	4287.3
60°	2854.2	2897.0	3141.5	3538.8	4081.9	4553.4	4821.6	4795.3	*4762.4*	4591.0	4516.8
62.5°	2380.7	2430.1	2665.3	3127.0	3788.5	4424.2	4946.1	5020.8	*5003.8*	4805.6	4710.9
65°	1828.4	1862.3	2096.5	2594.3	3331.9	4146.7	4960.6	5174.7	*5177.8*	4968.8	4812.3
67.5°	*1217.4*	*1315.2*	*1518.5*	*1946.7*	*2720.4*	*3693.3*	*4833.9*	*5199.9*	*5229.8*	*5024.9*	*4761.3*
70°	594.0	722.7	921.9	1265.2	1946.7	2997.8	4502.9	4993.0	*5059.4*	4861.2	4457.7
72.5°	246.6	288.3	396.9	624.4	1117.5	2022.9	3837.9	4431.9	*4554.9*	4307.3	3747.8
75°	166.3	180.2	227.0	320.2	509.1	997.6	2767.8	3304.6	*3502.8*	3253.2	2659.1
77.5°	128.2	136.9	165.2	223.9	302.7	377.3	1481.4	1991.5	*2094.0*	1938.5	1383.6
80°	100.9	107.6	123.5	163.2	214.6	201.8	505.0	902.3	*961.5*	806.6	444.7
82.5°	87.5	90.1	88.5	110.7	142.6	117.9	165.7	333.0	*367.5*	266.6	145.2
85°	63.3	70.5	73.6	68.5	75.7	59.7	67.9	117.9	*129.7*	115.8	81.8
87.5°	25.7	38.1	46.8	44.3	27.8	17.0	21.1	34.5	*39.6*	43.2	26.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1086.6	1086.6	1086.6	1086.6	1086.6	1086.6	1086.6	1086.6	1086.6	1086.6	1086.6
2.5°	1087.6	1091.2	1093.8	1096.9	1099.0	1102.1	1108.2	1111.8	1112.4	1114.9	1114.4
5°	1097.4	1102.6	1108.2	1116.5	1125.7	1133.5	1145.3	1153.5	1156.6	1159.2	1158.7
7.5°	1118.5	1125.7	1136.0	1150.4	1163.8	1174.1	1188.5	1198.3	1208.1	1211.7	1212.2
10°	1149.9	1160.2	1175.2	1194.7	1209.1	1222.5	1237.4	1245.7	1255.5	1259.6	1261.6
12.5°	1189.1	1199.9	1219.4	1246.7	1260.1	1269.3	1274.5	1272.4	1274.5	1278.1	1279.1
15°	1233.8	1245.7	1267.8	1297.1	1306.4	1298.2	1286.9	1276.6	1275.0	1276.0	1279.6
17.5°	1286.9	1295.6	1321.3	1346.0	1339.4	1305.4	1280.7	1264.2	1256.0	1253.4	1257.0
20°	1361.0	1361.0	1382.1	1397.5	1352.7	1295.1	1256.5	1229.7	1212.7	1205.5	1204.0
22.5°	1451.1	1442.8	1456.2	1445.4	1350.2	1266.3	1212.7	1166.4	1140.7	1130.4	1128.8
25°	1565.3	1555.5	1551.9	1485.0	1331.6	1220.4	1133.5	1077.4	1054.7	1049.0	1050.1
27.5°	1737.8	1713.1	1666.2	1506.6	1297.7	1148.4	1040.8	988.8	975.9	976.5	978.0
30°	1967.3	1917.9	1803.1	1510.2	1242.1	1046.5	946.1	909.0	902.9	905.4	914.2
32.5°	2179.9	2133.1	1943.1	1493.8	1156.6	946.6	861.2	836.5	827.2	830.3	834.4
35°	2346.7	2333.8	2072.9	1470.6	1051.6	852.9	785.0	763.9	745.9	741.7	744.8
37.5°	2504.2	2499.1	2170.1	1438.2	947.6	786.5	723.7	695.9	669.7	655.3	655.8
40°	2677.2	2672.0	2234.0	1388.3	855.5	728.9	668.6	632.1	599.7	573.4	576.0
42.5°	2871.7	2841.4	2264.3	1316.7	777.3	680.0	623.9	574.5	531.7	507.5	509.1
45°	3084.3	3015.9	2263.8	1225.6	711.4	635.2	576.0	506.0	466.4	443.7	442.7
47.5°	3309.8	3182.6	2236.0	1124.7	647.5	585.8	501.9	448.3	422.1	408.2	405.1
50°	3542.4	3338.6	2188.7	1008.9	582.2	529.7	455.5	419.0	398.9	386.1	381.4
52.5°	3761.2	3480.2	2131.5	877.6	515.8	475.1	435.0	406.6	385.5	371.1	365.0
55°	3964.5	3602.2	2050.7	743.3	461.7	438.6	425.2	401.5	377.3	360.3	353.6
57.5°	4145.2	3681.4	1911.2	617.2	423.1	413.3	414.9	392.7	365.0	350.5	341.3
60°	4295.5	3739.6	1704.8	500.3	391.7	388.6	398.9	376.3	343.8	327.4	320.2
62.5°	4385.6	3738.6	1451.6	409.7	365.0	366.0	377.8	355.7	322.7	307.3	302.7
65°	4377.9	3646.9	1173.6	350.5	339.2	340.2	355.7	333.0	305.2	296.0	295.5
67.5°	*4222.9*	*3423.5*	*900.3*	*311.9*	*310.9*	*315.5*	*333.6*	*317.6*	*294.4*	*293.4*	*294.9*
70°	3803.4	2959.8	648.6	281.0	281.6	288.3	311.9	307.8	288.8	290.8	290.3
72.5°	3049.8	2256.6	435.5	248.6	249.1	259.9	291.3	300.1	283.1	310.4	314.5
75°	2031.2	1407.3	280.0	214.1	214.6	228.5	273.3	285.2	267.7	309.4	311.9
77.5°	975.9	632.6	202.8	180.2	180.2	193.0	236.3	255.3	228.0	240.4	220.3
80°	337.2	237.8	159.6	145.2	142.1	150.8	199.2	221.3	196.6	181.2	169.9
82.5°	132.8	123.5	128.2	112.7	102.4	108.1	154.9	182.7	144.6	130.7	130.2
85°	76.2	80.3	90.6	74.6	59.2	66.4	113.8	131.3	109.1	96.3	98.3
87.5°	20.6	28.3	41.7	38.6	26.8	28.3	54.0	72.6	62.8	48.4	49.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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(END OF REPORT)